



Attorney's Docket No.: 10448-201001 / MPI03-005P1

JFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jeffrey S. Ross Art Unit : 3736  
Serial No. : 10/736,112 Examiner : Unknown  
Filed : December 15, 2003  
Title : METHODS OF DIAGNOSING AND TREATING CANCER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## **INFORMATION DISCLOSURE STATEMENT**

Applicant submits the references listed on the attached form PTO-1449.

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Respectfully submitted,

Date: 20 July 2004

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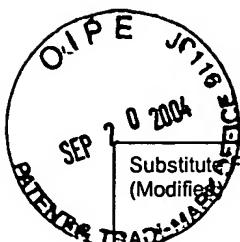
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 Substitute Form PTO-1449  
 (Modified)

 U.S. Department of Commerce  
 Patent and Trademark Office

 Attorney's Docket No.  
 10448-201001

 Application No.  
 10/736,112

 Information Disclosure Statement  
 by Applicant  
 (Use several sheets if necessary)  
 (37 CFR §1.98(b))

 Applicant  
 Jeffrey S. Ross

 Filing Date  
 December 15, 2003

Group Art Unit

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,454,106	Gansow et al.	June 12, 1984			
	AB	4,472,509	Gansow et al.	September 18, 1984			
	AC	4,814,275	Durda et al.	March 21, 1989			
	AD	4,855,353	Kurami et al.	August 8, 1989			
	AE	4,863,851	McEwan et al.	September 5, 1989			
	AF	4,863,854	Mattes et al.	September 5, 1989			
	AG	4,885,363	Tweedle et al.	December 5, 1989			
	AH	5,013,645	Kim	May 7, 1991			
	AI	5,053,503	Dean et al.	October 1, 1991			
	AJ	5,057,302	Johnson et al.	October 15, 1991			
	AK	5,118,611	Smith et al.	June 2, 1992			
	AL	5,130,118	Johnson et al.	July 14, 1992			
	AM	5,162,504	Horoszewicz	November 10, 1992			
	AN	5,198,208	Berg et al.	March 30, 1993			
	AO	5,208,324	Klaveness et al.	May 4, 1993			
	AP	5,217,704	Johnson et al.	June 8, 1993			
	AQ	5,227,471	Wright, Jr.	July 13, 1993			
	AR	5,229,289	Kjeldsen et al.	July 20, 1993			
	AS	5,314,996	Wright, Jr.	May 24, 1994			
	AT	5,342,924	Chang	August 30, 1994			
	AU	5,419,893	Berg et al.	May 30, 1995			
	AV	5,474,756	Tweedle et al.	December 12, 1995			
	AW	5,489,525	Pastan	February 6, 1996			
	AX	5,531,978	Berg et al.	July 2, 1996			
	AY	5,538,866	Israeli et al.	July 23, 1996			
	AZ	5,565,562	Parker et al.	October 15, 1996			

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10448-201001	Application No. 10/736,112
<b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)		Applicant Jeffrey S. Ross		
(37 CFR §1.98(b))		Filing Date December 15, 2003	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AAA	5,578,484	Horoszewicz	November 26, 1996			
	ABB	5,599,677	Dowell et al.	February 4, 1997			
	ACC	5,639,879	Mease et al.	June 17, 1997			
	ADD	5,660,827	Thorpe et al.	August 26, 1997			
	AEE	5,674,470	Tweedle et al.	October 7, 1997			
	AFF	5,697,902	Goldenberg	December 16, 1997			
	AGG	5,763,202	Horoszewicz	June 9, 1998			
	AHH	5,776,427	Thorpe et al.	July 7, 1998			
	AII	5,804,602	Slusher et al.	September 8, 1998			
	AJJ	5,846,519	Tweedle et al.	December 8, 1998			
	AKK	5,855,866	Thorpe et al.	January 5, 1999			
	ALL	5,863,538	Thorpe et al.	January 26, 1999			
	AMM	5,877,289	Thorpe et al.	March 2, 1999			
	ANN	5,935,818	Israeli et al.	August 10, 1999			
	AOO	5,958,474	Lee et al.	September 28, 1999			
	APP	5,965,132	Thorpe et al.	October 12, 1999			
	AQQ	6,004,554	Thorpe et al.	December 21, 1999			
	ARR	6,004,555	Thorpe et al.	December 21, 1999			
	ASS	6,022,524	Maisano et al.	February 8, 2000			
	ATT	6,036,955	Thorpe et al.	March 14, 2000			
	AUU	6,051,230	Thorpe et al.	April 18, 2000			
	AVV	6,093,399	Thorpe et al.	July 25, 2000			
	AWW	6,107,090	Bander	August 22, 2000			
	AXX	6,136,311	Bander	October 24, 2000			
	AYY	6,143,274	Tweedle et al.	November 17, 2000			
	AZZ	6,150,508	Murphy et al.	November 21, 2000			
	AAAA	6,261,535	Thorpe et al.	July 17, 2001			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABBB	6,331,175	Goldenberg	December 18, 2001			
	ACCC	6,649,163	Bander	November 18, 2003			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
	ADDD	WO 86/06384	11/ 1986	PCT			
	AEEE	WO 88/02635	04/ 1988	PCT			
	AFFF	WO 89/00557	01/ 1989	PCT			
	AGGG	WO 89/06979	08/ 1989	PCT			
	AHHH	WO 91/15466	10/ 1991	PCT			
	AIII	WO 93/17715	09/ 1993	PCT			
	AJJJ	WO 93/19668	10/ 1993	PCT			
	AKKK	WO 94/04702	03/ 1994	PCT			
	ALLL	WO 94/09820	05/ 1994	PCT			
	AMMM	WO 94/26297	11/ 1994	PCT			
	ANNN	WO 95/26206	10/ 1995	PCT			
	AOOO	WO 95/31444	11/ 1995	PCT			
	APPP	WO 96/26272	08/ 1996	PCT			
	AQQQ	WO 96/39185	12/ 1996	PCT			
	ARRR	WO 96/40245	12/ 1996	PCT			
	ASSS	WO 97/32862	09/ 1997	PCT			
	ATTT	WO 97/35616	10/ 1997	PCT			
	AUUU	WO 99/43710	09/ 1999	PCT			
	AVVV	WO 00/50457	08/ 2000	PCT			
	AWWW	WO 00/52473	09/ 2000	PCT			
	AXXX	WO 00/74729	12/ 2000	PCT			

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							Yes      No
	AYYY	EP 0 208 531 B1	01/ 1987	Europe			
	AZZZ	EP 0 232 751 B1	08/ 1987	Europe			
	AAAAAA	EP 0 233 619 B1	08/ 1987	Europe			
	ABBBB	EP 0 279 397 B1	08/ 1988	Europe			
	ACCCC	EP 0 292 689 B1	11/ 1988	Europe			
	ADDDD	EP 0 299 795 A1	01/ 1989	Europe			
	AEEEE	EP 0 315 188 B1	05/ 1989	Europe			
	AFFFF	EP 0 382 583 B1	08/ 1990	Europe			
	AGGGG	EP 0 392 423 A2	10/ 1990	Europe			
	AHHHH	EP 0 466 200 A1	01/ 1992	Europe			
	AIIII	EP 0 594 739 B1	05/ 1994	Europe			
	AJJJJ	EP 0 882 454 A2	12/ 1998	Europe			
	AKKKK	NZ333683	01/2002	New Zealand			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	ALLLL	ATCC Deposit #HB9131 from June 24, 1986 (NOT AVAILABLE)
	AMMMM	Barren et al. (1997), "Monoclonal Antibody 7E11.C5 Staining of Viable LNCaP Cells", Prostate 30(1):65-68.
	ANNNN	Carter et al. (1996), "Prostate-specific Membrane Antigen is a Hydrolase with Substrate and Pharmacologic Characteristics of a Neuropeptidase", Proc. Natl. Acad. Sci. U.S.A. 93:749-753.
	AOOOO	Chang et al. (1999), "Five Different Anti-Prostate-specific Membrane Antigen (PSMA) Antibodies Confirm PSMA Expression in Tumor-associated Neovasculature", Cancer Research, 59(13):3192-3198.
	APPPP	Diamond et al. (1997), "Monoclonal Antibody 225 Blockade of Prostate Specific Membrane Antigen (PSM) Expression: Potential Novel Therapy for Prostate Cancer", Journal of Urology 157(4 suppl):226 (Abstract 884).

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<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>			
Examiner Initial	Desig. ID	Document	
	AQQQQ	Dillman et al. (1988), "Toxicities Associated with Monoclonal Antibody Infusions in Cancer Patients", Mol. Biother. 1(2):81-85.	
	ARRRR	Dillman et al. (1994), "Human Anti-Mouse Antibody Response in Cancer Patients Following Single Low-Dose Injections of Radiolabeled Murine Monoclonal Antibodies", Cancer Biotherapy 9(1):17-28.	
	ASSSS	Fair et al. (1997), "Prostate Specific Membrane Antigen", Prostate 32(2):140-148.	
	ATTTT	Harlow and Lane (1988), "Antibodies: A laboratory manual", Cold Spring Harbor Laboratory, p139-243.	
	AUUUU	Heston (1997), "Characterization and Glutamyl Preferring Carboxypeptidase Function of Prostate Specific Membrane Antigen: A Novel Folate Hydrolase", Urology 49(3A):104-112.	
	AVVVV	Horoszewicz et al. (1987), "Monoclonal Antibodies to a New Antigenic Marker in Epithelial Prostatic Cells and Serum of Prostatic Cancer Patients", Anticancer Research 7(5B):927-936.	
	AWWWW	Israeli et al. (1993), "Molecular Cloning of a Complementary DNA Encoding a Prostate-Specific Membrane Antigen", Cancer Research 53(2):227-230.	
	AXXXX	Israeli et al. (1994), "Expression of the Prostate-Specific Membrane Antigen", Cancer Research 54(7):1807-1811.	
	AYYYY	Israeli et al. (1997), "Prostate Specific Membrane Antigen and Other Prostatic Tumor Markers on the Horizon", Urological Clinics of North America 24(2):439-450.	
	AZZZZ	Jain, R.K. (1990), "Vacular and interstitial barriers to delivery of therapeutic agents in tumors", Cancer and Metastasis Reviews 9(3):253-266.	
	AAAAAA	Leek et al. (1995), "Prostate-Specific Membrane Antigen: Evidence for the Existence of a Second Related Human Gene", British Journal of Cancer 72:583-588.	
	ABBBBB	Leung et al. (1986), "Selection of a Monoclonal Antibody to a New Prostate Cancer Marker for In Vivo Clinical Trials", 6 <sup>th</sup> International Congress of Immunology, p516 (Abstract 4.15.19).	
	ACCCCC	Liu et al. (1997), "Monoclonal Antibodies to the Extracellular Domain of Prostate-specific Membrane Antigen also React with Tumor Vascular Endothelium", Cancer Research 57(18):3629-3634.	
	ADDDDD	Liu, et al. (1998), "Constitutive and Antibody-Induced Internalization of Prostate-Specific Membrane Antigen", Cancer Research 58(18):4055-4060.	
	AEEEEEE	Murphy et al. (1995), "Comparison of Prostate Specific Antigen, Prostate Specific Membrane Antigen, and LNCaP-Based Enzyme-Linked Immunosorbent Assays in Prostatic Cancer Patients and Patients With Benign Prostatic Enlargement", The Prostate 26:164-168.	
	AFFFFF	Murphy et al. (1995), "Comparison of Prostate Specific Membrane Antigen, and Prostate Specific Antigen Levels in Prostatic Cancer Patients", Anticancer Res. 15:1473-1480.	

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<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>			
Examiner Initial	Desig. ID	Document	
	AGGGGC	Murphy et al. (1996), "Measurement of Prostate-Specific Membrane Antigen in the Serum With a New Antibody", The Prostate 28(4):266-271.	
	AHHHHH	Pinto et al. (1996), "Prostate-Specific Membrane Antigen: A Novel Folate Hydrolase in Human Prostatic Carcinoma Cells", Clinical Cancer Research 2(9):1445-1451.	
	AIIIII	Rochon et al. (1994), "Western Blot Assay for Prostate-Specific Membrane Antigen in Serum of Prostate Cancer Patients", The Prostate 25(4):219-223.	
	AJJJJJ	Schlom (1991), "Monoclonal antibodies: They're more and less than you think", Molecular Foundations of Oncology, ed. Broder, Williams & Wilkins, p95-134.	
	AKKKKK	Silver et al. (1997), "Prostate-specific Membrane Antigen Expression in Normal and Malignant Human Tissues", Clinical Cancer Research 3:81-85.	
	ALLLLL	Su et al. (1995), "Alternatively Spliced Variants of Prostate-specific Membrane Antigen RNA: Ratio of Expression as a Potential Measurement of Progression", Cancer Research 55:1441-1443.	
	AMMMMI	Troyer et al. (1994), "Subcellular Localization of the 7E11-C5 Prostate Specific Antigen", Proc. Am. Assoc. Cancer Research 35:283 (Abstract 1688).	
	ANNNNN	Troyer et al. (1995), "Biochemical Characterization and Mapping of the 7E11-C5.3 Epitope of the Prostate-Specific Membrane Antigen", Urol Oncol 1:29-37.	
	AOOOOC	Troyer et al. (1995), "Detection and Characterization of the Prostate-Specific Membrane Antigen (PSMA) in Tissue Extracts and Body Fluids", International Journal of Cancer 62(5):552-558.	
	APPPPP	Troyer et al. (1997), "Location of prostate-specific membrane antigen in the LNCaP prostate carcinoma cell line", Prostate 30(4):232-242.	
	AQQQQQ	Uria et al. (1997), "Prostate Specific Membrane Antigen in Breast Carcinoma", The Lancet 349(9065):1601.	
	ARRRRR	Wang et al. (1988), "Monoclonal Antibody Assays for Prostatic Tumor", Immunol Ser 39:195-219.	
	ASSSSS	Wright (1990), "Characterization of a New Prostate Carcinoma-Associated Marker: 7E11-C5", Antibody Immunoconjugates and RadioPharmaceuticals 3:Abstract 193.	
	ATTTTT	Wright et al. (1995), "Expression of Prostate-Specific Membrane Antigen in Normal, Benign, and Malignant Prostate Tissues", Urol Oncol, 1:18-28.	
	AUUUUU	Yang et al. (1998), "Alpha particle emitter therapy of micrometastases: <sup>213</sup> Bi-J5 (anti-PSMA) treatment of LNCaP spheroids", Proceedings of the American Association for Cancer Research 39:440 (Abstract #2996).	

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